



# AcryliSeal 3401

Solvent Based Clear Acrylic Sealer

## MSDS

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### MATERIAL SAFETY DATA SHEET (AcryliSeal 3401)

#### EMERGENCY CONTACT:

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#### SECTION I. IDENTIFICATION

**PRODUCT NAME:** *AcryliSeal 3401*

**CHEMICAL FAMILY:** ACRYLIC

**PRODUCT TYPE:** SOLVENT BASED CLEAR ACRYLIC SEALER

**IMPORTANT:** THIS MATERIAL WILL NOT BE SOLD FOR USE IN PRODUCTS FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES, ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY IS SPECIFICALLY INTENDED. BECAUSE OF THE WIDE RANGE OF SUCH POTENTIAL USES, WOLVERINE COATINGS CORPORATION IS NOT ABLE TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR SUCH USES AND ASSUMES NO LIABILITY FOR ANY SUCH USES.

**HAZARD STATEMENT:** THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.

#### SECTION II. HAZARDOUS INGREDIENTS

##### HAZARDOUS INGREDIENTS

	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Toluene	108-88-3	100 ppm	100 ppm
Xylene	1330-20-7	100 ppm	100 ppm
Trimethylbenzenes	2553-13-7	25 ppm	25 ppm
Cumene	98-82-8	50 ppm	50 ppm
Calcium Carbonate	471-34-1	None	None

#### SECTION III. PHYSICAL DATA

**APPEARANCE AND ODOR:** LIQUID, SWEET ODOR

**VAPOR DENSITY:** 3.2 (Air = 1)

**SOLUBILITY IN WATER:** INSOLUBLE

**FLASHPOINT:** 111 F

**BOILING POINT:** 232 F

**MELTING POINT:** N/A

**SPECIFIC GRAVITY:** 0.871 @ 25°C (77°F)

**VAPOR PRESSURE:** 760 mmHg

#### SECTION IV. FIRE AND EXPLOSION DATA

**FLASHPOINT:** 111 F, NONFLAMMABLE IN LIQUID STATE

**EXTINGUISHING MEDIA:** CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY.

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**SPECIAL FIRE FIGHTING PROCEDURES:** USE SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES. WATER SPRAY MAY BE USED IN MINIMIZING OR DISPERSING VAPORS AND COOLING EQUIPMENT EXPOSED TO HEAT AND FLAME. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES, AND IGNITION SOURCES DISTANT FROM MATERIAL HANDLING POINT.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM/PAIL (EVEN EMPTY) BECAUSE PRODUCT (EVEN RESIDUE) CAN IGNITE EXPLOSIVELY. ALL METAL CONTAINERS SHOULD BE GROUNDED OR BONDED WHEN MATERIAL IS TRANSFERRED.

### SECTION V. REACTIVITY DATA

**STABILITY:** STABLE

**CONDITIONS TO AVOID:** AVOID ALL POSSIBLE SOURCES OF IGNITION, HEAT, SPARK OR FLAME, AND BUILDUP OF STATIC ELECTRICITY.

**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZERS , ACIDS OR BASES. SELECTED AMINES

**HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON MONOXIDE, CARBON DIOXIDE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

### SECTION VI. HEALTH HAZARD DATA

**PRIMARY ROUTES OF EXPOSURE:** DERMAL, INHALATION

**EMERGENCY OVERVIEW:** Warning! Can cause skin and eye irritation.

#### IRRITATION:

**SKIN:** MODERATE

**EYE:** MILD

**INHALATION:** MILD

**EFFECTS OF OVEREXPOSURE:** REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** DERMATITIS, PRE-EXISTING LUNG DISORDERS.

#### EMERGENCY AND FIRST AID PROCEDURES:

**EYES** - FOR EYE CONTACT, IMMEDIATELY FLUSH EYES FOR AT LEAST FIFTEEN MINUTES WITH RUNNING WATER. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE EYE SURFACE AND LIDS WITH WATER. IF PHYSICIAN IS NOT AVAILABLE, FLUSH FOR AN ADDITIONAL FIFTEEN MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

**SKIN** - FOR SKIN CONTACT, IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES UNDER A SAFETY SHOWER. WASH AFFECTED AREAS THOROUGHLY WITH PLENTY OF WATER AND SOAP FOR AT LEAST FIFTEEN MINUTES. DISCARD OR DECONTAMINATE CLOTHING BEFORE RE-USE.

**INGESTION** - IF SWALLOWED, IMMEDIATELY GIVE AT LEAST 3-4 GLASSES OF WATER, BUT DO **NOT** INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. GET IMMEDIATE MEDICAL ATTENTION. HAVE PHYSICIAN DETERMINE WHETHER VOMITING OR STOMACH EVACUATION IS NECESSARY.

**INHALATION** - IF INHALED, REMOVE FROM AREA TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION IF BREATHING IS DIFFICULT, TRANSPORT TO MEDICAL CARE AND, IF AVAILABLE, GIVE SUPPLEMENTAL OXYGEN.

**ASPIRATION HAZARD:** GIVE NOTHING BY MOUTH BECAUSE MATERIAL CAN ENTER LUNGS AND CAUSE SEVERE LUNG DAMAGE. IF POSSIBLE, DO NOT LEAVE VICTIM UNATTENDED. ASPIRATION OF MATERIAL INTO THE LUNG DUE TO VOMITING CAN BE FATAL.

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## SECTION VII. SPILL OR LEAK PROCEDURES

**SPILL PROCEDURES:** REMOVE SOURCES OF HEAT OR IGNITION, INCLUDING INTERNAL COMBUSTION ENGINES AND POWER TOOLS. **FOR A SMALL SPILL:** ABSORB LIQUID ON PAPER, VERMICULITE, OR FLOOR ABSORBENT MATERIAL AND TRANSFER TO WASTE DISPOSAL CONTAINER. **FOR A LARGE SPILL:** KEEP ALL UNNECESSARY PEOPLE AWAY FROM THE AREA. STOP THE SPILL AT ITS SOURCE. DIKE THE AREA TO PREVENT SPREADING. PUMP LIQUID INTO A SALVAGE TANK. ABSORB REMAINING LIQUID AS A SMALL SPILL AND SHOVEL INTO CONTAINERS. DO NOT FLUSH INTO THE SEWERS. WEAR PROTECTIVE EQUIPMENT SPECIFIED BELOW.

**WASTE DISPOSAL METHODS:** ALLOW VOLATILE PORTION TO EVAPORATE. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION VIII. SPECIAL PROTECTION

**VENTILATION:** GOOD GENERAL MECHANICAL VENTILATION AND LOCAL EXHAUST IS REQUIRED.

**PROTECTIVE GLOVES:** FOR REPEATED USE, USE NITRILE RUBBER GLOVES.

**EYE PROTECTION:** WEAR SPLASH-PROOF CHEMICAL RESISTANT GOGGLES.

**RESPIRATORY PROTECTION:** IF WORKPLACE EXPOSURE LIMIT IS EXCEEDED, USE OSHA, NIOSH APPROVED AIR-SUPPLIED RESPIRATOR.

**OTHER PROTECTIVE EQUIPMENT:** WEAR PROTECTIVE EQUIPMENT TO PREVENT EXPOSURE AND PERSONAL CONTACT.

**WORK HYGIENIC PRACTICES:** PRACTICE GOOD HOUSEKEEPING. USE GOOD PERSONAL HYGIENE PRACTICES.

## SECTION IX. SPECIAL PRECAUTIONS

**HMIS CODE:**

HEALTH: 1      FIRE: 2      REACTIVITY: 0

**HANDLING, SHIPPING, AND STORING PRECAUTIONS:** STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL, DRY PLACE AWAY FROM SOURCES OF HEAT OR IGNITION. GROUND AND BOND ALL TRANSFER AND STORAGE EQUIPMENT. WASH THOROUGHLY AFTER HANDLING. EMPTY CONTAINERS MAY CONTAIN RESIDUE AND CAN BE DANGEROUS. DO NOT WELD, BRAZE, DRILL, GRIND, OR PRESSURIZE BECAUSE CONTAINERS MAY EXPLODE AND CAUSE INJURY.

## SECTION X. TOXICOLOGICAL INFORMATION

**ACUTE ORAL EFFECTS (LD50):** (RAT) 4.7 G/KG (COMPONENTS)

**ACUTE DERMAL TOXICITY (LD50):** (RAT) 4 ML/KG (COMPONENTS)

**INHALATION TOXICITY (LC50):** (RAT) 3600 PPM (M) FOR A 8-HOUR EXPOSURE (COMPONENTS)

**SKIN IRRITATION:** (RABBIT) SLIGHT TO MODERATE IRRITATION

**EYE IRRITATION:** (RABBIT) MILD IRRITATION

**CARCINOGENICITY:** NONE

**OTHER INFORMATION:** OVER EXPOSURE TO THIS MATERIAL (OR COMPONENTS) HAS BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE, LUNG DAMAGE, SPLEEN DAMAGE. OVEREXPOSURE TO THIS MATERIAL (OR COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF LIVER ABNORMALITIES IN HUMANS. DELIBERATE MISUSE OF INTENTIONALLY INHALING VAPOR MAY BE HARMFUL OR FATAL.

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## SECTION XI. ECOLOGICAL INFORMATION

THIS SECTION WILL BE UPDATED AS ECOLOGICAL REVIEWS ARE COMPLETED.

## SECTION XII. REGULATORY INFORMATION

**DOT CLASS:** NOT REGULATED

**DOT NUMBER:** N/A

**RCRA STATUS:** NOT A HAZARDOUS WASTE UNDER RCRA (40 CFR 261)

**CERCLA STATUS:** SARA/TITLE III - TOXIC CHEMICAL LIST: THIS PRODUCT CONTAINS XYLENE WHICH IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 (40 CFR 372) OF SARA TITLE III.

**TSCA INVENTORY STATUS:** CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

**CANADIAN INVENTORY STATUS:** All components included on the Domestic Substances List (DSL)

**ISSUE DATE:** 07/2007

FOR FURTHER INFORMATION, PLEASE CONTACT PRODUCT SAFETY DIRECTOR.

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. ALL CHEMICALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. FINAL DETERMINATION OF SUITABILITY OF THE CHEMICAL IS THE SOLE RESPONSIBILITY OF THE USER. USERS OF ANY CHEMICAL SHOULD SATISFY THEMSELVES THAT THE CONDITIONS AND METHODS OF USE ASSURE THAT THE CHEMICAL IS USED SAFELY. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER NATURE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN, OR TO THE CHEMICAL TO WHICH THE USER REFERS.